

Author Index

- Azeredo, J., 141
- Ben-Hayyim, G., 237
- Bos, R., 169
- Busscher, H.J., 169
- Chibowski, E., 19
- DeLucas, L.J., 197
- Docoslis, A., 99
- Engwall, M.A., 121
- Furusawa, K., 161
- Galisteo-González, F., 3
- Giese, R.F., 47, 99
- Grasso, D., 121
- Grigorov, L.S., 149
- Guo, Y.Q., 213
- Hermansson, M., 105
- Hidalgo-Alvarez, R., 3
- Hui, S.W., 213
- Israelachvili, J., 213
- Jönsson, B., 67
- Kafkafi, U., 237
- Khanna, R., 223
- King Johnson, V., 197
- Kinraide, T.B., 237
- Kuhl, T.L., 213
- Leckband, D., 83
- Long, M.M., 197
- Lyklema, J., 179
- Machinist, B.J., 121
- Malmsten, M., 197
- Matsumura, H., 161
- Mitev, D.J., 149
- Molina-Bolívar, J.A., 3
- Nancollas, G.H., 57
- Nir, S., 237
- Norde, W., 179
- Ohki, S., 27
- Ohshima, H., 27
- Oliveira, R., 141
- Ramsden, J.J., 77
- Reiter, G., 223
- Rijnaarts, H.H.M., 179
- Scherer, G.F.E., 237
- Sharma, A., 223
- Sivasankar, S., 83
- Smets, B.F., 121
- Ståhlberg, J., 67
- Van Alstine, J.M., 197
- van Oss, C.J., 47, 99
- Vassilieff, C.S., 149
- Visser, J., 141
- Wiacek, A., 19
- Wu, W., 47, 57, 99
- Yang, B., 161
- Yermiyahu, U., 237
- Zehnder, A.J.B., 179



Subject Index

- Acid–base interactions, 169
- Adhesion, 105, 149
- Adsorption, 161, 197
- Aggregation, 27
- Alcohol, 19
- Bacteria, 105
- Bacterial adhesion, 121, 141, 179
- Bacterial physiology, 121
- Calcium, 237
- Cell aggregation, 213
- Cell surface macromolecules, 179
- Chloroform, 169
- Collision efficiency, 121
- Colloidal stability, 3
- Colloid stability, 105, 179
- Contact angle, 57
- Corneal mucus layer, 223
- Critical stabilization concentration, 3
- Crystal growth, 197
- Debye length, 67
- DLVO, 197
- DLVO forces, 83
- DLVO theory, 27, 57, 99, 105, 141, 161, 179
- Effective diameters, 19
- Ellipsometry, 197
- Exopolymers, 141
- Extended DLVO, 19, 57
- Extended DLVO theory, 3
- Flocculation, 47, 57
- Fusion, 213
- Hexadecane, 169
- Human serum albumin, 99
- Hydration forces, 3
- Hydrophilicity, 57
- Hydrophobicity, 57
- Immunoassays, 3
- Interaction, 77, 223
- Interfacial tension, 161
- Lewis acid/base, 57
- Lipid bilayer, 77
- Lipid vesicles, 27, 149
- Membrane, 77
- Microbial Adhesion, 169
- Modified DLVO theory, 27
- Non-classical DVLO behaviour, 3
- n*-Tetradecane–water emulsion, 19
- Oil/water interface, 161
- Particle suspensions, 47
- PEG, 197, 213
- Pharmaceutics, 57
- Phosphatidylcholine, 161
- Phosphatidylserine, 161
- Plasma membrane, 237
- Poisson–Boltzmann equation, 67
- Polymer, 197
- Porous media transport, 121
- ζ -Potential, 161
- Protein, 77, 99, 197
- Protein adsorption, 67
- Protein solution behavior, 83
- Root, 237
- Salinity, 237
- Sodium, 237
- Stability, 19, 47
- Steric interactions, 179
- Surface charge, 237
- Surface free energy, 57
- Surface thermodynamics, 121
- Tear film, 223
- van der Waals forces, 83
- Van der Waals interaction, 149
- Vesicle, 161
- Vessicle interaction, 27
- XDLVO theory, 141
- Zeta potentials, 19



